

Chapter 10b Transformers

1. What are the major causes of losses in transformers?
2. Sketch the circuits for wye-wye, wye-delta, delta-wye, delta-delta, and open-delta connections of single-phase transformers.
3. Does a transformer draw current when it is unloaded? Explain.
4. Explain the causes and consequences of over-exciting a transformer.
5. What are harmonics, what causes them, and how do they affect transformers?
6. What is meant by the K-factor rating of a transformer?
7. Will a delta-delta bank of single-phase transformers continue to supply three phase power when an open occurs in one transformer secondary? Explain.
8. Sketch a circuit showing the correct connections for current and potential transformers.
9. What are instrument transformers?